

FORM PTO-1390  
(REV. 01-2003)

US DEPARTMENT OF COMMERCE PATENT &amp; TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER  
121238**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371**U.S. APPLICATION NO. (If known, see 37 CFR 1.5)  
New U.S. National Stage of PCT/JP03/03147  
**107509242**INTERNATIONAL APPLICATION NO.  
PCT/JP03/03147INTERNATIONAL FILING DATE  
March 17, 2003PRIORITY DATE CLAIMED  
March 28, 2002TITLE OF INVENTION  
INITIATORAPPLICANT(S) FOR DO/EO/US  
Isamu TAKAHARA; Akitoshi YOSHIGAI; Kazuo NOSE

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☐ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☒ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☒ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
  - c. ☐ The International Application was filed in English.
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☒ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A preliminary amendment.
14. ☒ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☐ Other items or information:

|  |  |   |  |                                    |  |
|--|--|---|--|------------------------------------|--|
| U.S. APPLICATION NO. (if known, see 37 C.F.R. 1.51)<br>New U.S. National Stage of<br>PCT/JP03/03147 <b>10-509242</b> |  | INTERNATIONAL APPLICATION NO.<br>PCT/JP03/03147 |  | ATTORNEY'S DOCKET NUMBER<br>121238 |  |
|--|--|---|--|------------------------------------|--|

|  |              |              |            |                                       |    |
|--|--------------|--------------|------------|---------------------------------------|----|
| 21. <input checked="" type="checkbox"/> The following fees are submitted:<br><br><b>BASIC NATIONAL FEE (37 CFR 1.492(a)(1)-(5)):</b><br><br>Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO..... <b>\$1,080.00</b><br><br>International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO..... <b>\$ 920.00</b><br><br>International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO..... <b>\$ 770.00</b><br><br>International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4)..... <b>\$ 730.00</b><br><br>International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4)..... <b>\$ 100.00</b><br><br><b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b> |              |              |            | <b>CALCULATIONS      PTO USE ONLY</b> |    |
| Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).  |              |              |            | \$                                    |    |
| CLAIMS   | NUMBER FILED | NUMBER EXTRA | RATE       | \$                                    |    |
| Total Claims   | 14 - 20 =    | 0            | X \$ 18.00 | \$                                    |    |
| Independent Claims   | 2 - 3 =      | 0            | X \$ 86.00 | \$                                    |    |
| MULTIPLE DEPENDENT CLAIM(S)(if applicable)   |              |              | + \$290.00 | \$                                    |    |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>   |              |              |            | \$920                                 |    |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.   |              |              |            | \$                                    |    |
| <b>SUBTOTAL =</b>  |              |              |            | \$920                                 |    |
| Processing fee of <b>\$130.00</b> for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).   |              |              |            | \$                                    |    |
| <b>TOTAL NATIONAL FEE =</b>  |              |              |            | \$920                                 |    |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). <b>\$40.00</b> per property +  |              |              |            | \$                                    |    |
| <b>TOTAL FEES ENCLOSED =</b>   |              |              |            | \$920                                 |    |
|  |              |              |            | Amount to be refunded:                | \$ |
|  |              |              |            | charged:                              | \$ |

a. ☒ A check in the amount of \$920 to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$\_\_\_\_\_ to cover the above fees. A duplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 15-0461. A duplicate copy of this sheet is enclosed.

d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

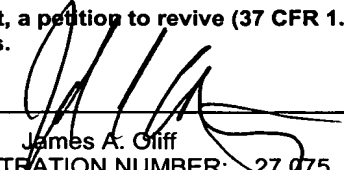
**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

OLIFF & BERRIDGE, PLC  
Customer Number: 25944

Date September 28, 2004

NAME: James A. Oliff  
 REGISTRATION NUMBER: 27,075  
  
 NAME: Joel S. Armstrong  
 REGISTRATION NUMBER: 36,430

|   |              |   |   |                                       |    |
|---|--------------|---|---|---------------------------------------|----|
| U.S. APPLICATION NO. (if known, see 37 C.F.R. 1.5)<br>New U.S. National Stage of<br>PCT/JPO3/03147 <b>10/509242</b>   |              | INTERNATIONAL APPLICATION NO.<br>PCT/JPO3/03147 |   | ATTORNEY'S DOCKET NUMBER<br>121238    |    |
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| a. <input checked="" type="checkbox"/> A check in the amount of <b>\$920</b> to cover the above fees is enclosed.<br>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$_____ to cover the above fees. A duplicate copy of this sheet is enclosed.<br>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <b>15-0461</b> . A duplicate copy of this sheet is enclosed.<br>d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.   |              |   |   |                                       |    |
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| SEND ALL CORRESPONDENCE TO:<br><br>OLIFF & BERRIDGE, PLC<br>Customer Number: 25944  |              |   |   |                                       |    |
| Date <u>September 28, 2004</u>  |              |   | <br>NAME: James A. Cliff<br>REGISTRATION NUMBER: 27,075 |                                       |    |
|   |              |   | NAME: Joel S. Armstrong<br>REGISTRATION NUMBER: 36,430  |                                       |    |